



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**1200 Pennsylvania Avenue, N.W.**  
**Washington, DC 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, N.W., Washington, DC 20460. Do not send the form to this address.

**Data Matrix**

|   |   |                    |
|---|---|--------------------|
| <b>Date:</b> Draft November 26, 2013  | <b>EPA Reg. No./File Symbol:</b> 89896-R  | <b>Page 1 of 3</b> |
| <b>Applicant's/Registrant's Name and Address:</b> Simple Science Limited<br>530 N 3 <sup>rd</sup> St, #310<br>Minneapolis, MN 55401 | <b>Product Name:</b><br><b>CleanSmart</b> |                    |

**Ingredients:** Hypochlorous acid (CAS# 7790-92-3)

| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Notes |
|----------------------------|----------------------|-------------|-----------|--------|-------|
|----------------------------|----------------------|-------------|-----------|--------|-------|

**§ 158.2210: Product Chemistry Data Requirements**

|          |  |          |                        |     |          |
|----------|--|----------|------------------------|-----|----------|
| 830.1550 | Product identity and composition                     | 49260301 | Simple Science Limited | OWN | Volume 2 |
| 830.1600 | Description of materials used to produce the product | 49260301 | Simple Science Limited | OWN | Volume 2 |
| 830.1620 | Description of production process                    | 49260301 | Simple Science Limited | OWN | Volume 2 |
| 830.1650 | Description of formulation process                   | 49260301 | Simple Science Limited | OWN | Volume 2 |
| 830.1670 | Discussion of formation of impurities                | 49260301 | Simple Science Limited | OWN | Volume 2 |
| 830.1700 | Preliminary analysis                                 | 49260302 | Simple Science Limited | OWN | Volume 3 |
| 830.1750 | Certified limits                                     | 49260301 | Simple Science Limited | OWN | Volume 2 |
| 830.1800 | Enforcement analytical method                        | 49260301 | Simple Science Limited | OWN | Volume 2 |
| 830.1900 | Submittal of samples                                 | 49260301 | Simple Science Limited | OWN | Volume 2 |

**Physical and Chemical Properties**

|          |   |          |   |     |          |
|----------|---|----------|---|-----|----------|
| 830.6302 | Color   | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6303 | Physical state  | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6304 | Odor  | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6313 | Stability (normal/elevated temperatures, metals and ions) |          | Not expected to come into contact with metals and metal ions                          | N/A |          |
| 830.6314 | Oxidation/reduction: chemical incompatibility             | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6315 | Flammability  | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6316 | Explosibility   |          | Product is not potentially explosive  | N/A |          |
| 830.6317 | Storage stability   | 49260304 | Simple Science Limited  | OWN | Volume 5 |
| 830.6319 | Miscibility   |          | Product is not an emulsifiable liquid and is not to be diluted with petroleum solvent | N/A |          |

|                       |  |                              |
|-----------------------|--|------------------------------|
| <b>Signature:</b><br> | <b>Name and Title:</b> Seth DeGroot<br>Project Manager | <b>Date:</b><br>Nov 26, 2013 |
|-----------------------|--|------------------------------|



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| <b>Applicant's/Registrant's Name and Address:</b> Simple Science Limited<br>530 N 3 <sup>rd</sup> St, #310<br>Minneapolis, MN 55401 | <b>Product Name:</b><br><br><b>CleanSmart</b> |                    |

**Ingredients:** Hypochlorous acid (CAS# 7790-92-3)

| Guideline Reference Number                               | Guideline Study Name  | MRID Number | Submitter   | Status | Notes     |
|--|---|-------------|---|--------|-----------|
| 830.6320   | Corrosion characteristics                                       | 49260304    | Simple Science Limited                                | OWN    | Volume 5  |
| 830.6321   | Dielectric breakdown voltage                                    |             | Product is not to be used around electrical equipment | N/A    |           |
| 830.7000   | pH  | 49260303    | Simple Science Limited                                | OWN    | Volume 4  |
| 830.7100   | Viscosity   | 49260303    | Simple Science Limited                                | OWN    | Volume 4  |
| 830.7300   | Density/relative density/bulk density                           | 49260303    | Simple Science Limited                                | OWN    | Volume 4  |
| 830.7520   | Particle size, fiber length, and diameter distribution          |             | Product is not a fibrous test substance               | N/A    |           |
| <b>§ 158.2220: Product Performance Data Requirements</b> |   |             |   |        |           |
| 810.2200   | <i>Staphylococcus aureus</i> (ATCC 6538)                        | 49260305    | Simple Science Limited                                | OWN    | Volume 6  |
| 810.2200   | <i>Salmonella enterica</i> (ATCC 10708)                         | 49260306    | Simple Science Limited                                | OWN    | Volume 7  |
| 810.2200   | <i>Pseudomonas aeruginosa</i> (ATCC 15442)                      | 49260307    | Simple Science Limited                                | OWN    | Volume 8  |
| 810.2200   | <i>Streptococcus pyogenes</i> (ATCC 19615)                      | 49260308    | Simple Science Limited                                | OWN    | Volume 9  |
| 810.2200   | <i>Enterococcus faecalis</i> – VRE (ATCC 51575)                 | 49260309    | Simple Science Limited                                | OWN    | Volume 10 |
| 810.2200   | Methicillin Resistant <i>Staphylococcus aureus</i> (ATCC 33592) | 49260310    | Simple Science Limited                                | OWN    | Volume 11 |
| 810.2200   | <i>Listeria monocytogenes</i> (ATCC 19117)                      | 49260311    | Simple Science Limited                                | OWN    | Volume 12 |
| 810.2200   | Herpes Simplex Virus Type 1 (ATCC VR-733)                       | 49260312    | Simple Science Limited                                | OWN    | Volume 13 |
| 810.2200   | Herpes Simplex Virus Type 2 (ATCC VR-734)                       | 49260313    | Simple Science Limited                                | OWN    | Volume 14 |
| 810.2200   | Human Immunodeficiency Virus Type 1, Strain HTLV-IIIB           | 49260314    | Simple Science Limited                                | OWN    | Volume 15 |
| 810.2200   | Influenza A H1N1 (ATCC VR-1469)                                 | 49260315    | Simple Science Limited                                | OWN    | Volume 16 |
| 810.2200   | Rhinovirus Type 37 (ATCC VR-1147)                               | 49260316    | Simple Science Limited                                | OWN    | Volume 17 |
| 810.2200   | Human Coronavirus (ATCC VR-740)                                 | 49260317    | Simple Science Limited                                | OWN    | Volume 18 |
| 810.2200   | Respiratory Syncytial Virus (ATCC VR-26)                        | 49260318    | Simple Science Limited                                | OWN    | Volume 19 |

|                       |  |                              |
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| <b>Applicant's/Registrant's Name and Address:</b> Simple Science Limited<br>530 N 3 <sup>rd</sup> St, #310<br>Minneapolis, MN 55401 | <b>Product Name:</b><br><b>CleanSmart</b> |                    |

**Ingredients:** Hypochlorous acid (CAS# 7790-92-3)

| Guideline Reference Number                      | Guideline Study Name  | MRID Number | Submitter                        | Status | Notes     |
|---|---|-------------|----------------------------------|--------|-----------|
| 810.2200  | <i>Trichophyton mentagrophytes</i> (ATCC 9533)                  | 49260319    | Simple Science Limited           | OWN    | Volume 20 |
| 810.2200  | <i>Escherichia coli</i> (ATCC 11229)                            | 49260320    | Simple Science Limited           | OWN    | Volume 21 |
|   | <b>Non-food Contact:</b>  |             |                                  |        |           |
| 810.2300  | <i>Staphylococcus aureus</i> (ATCC 6538)                        | 49260321    | Simple Science Limited           | OWN    | Volume 22 |
| 810.2300  | <i>Enterobacter aerogenes</i> (ATCC 13048)                      | 49260322    | Simple Science Limited           | OWN    | Volume 23 |
| 810.2300  | <i>Streptococcus pneumoniae</i> (ATCC 6305)                     | 49260323    | Simple Science Limited           | OWN    | Volume 24 |
| 810.2300  | <i>Salmonella enterica</i> (ATCC 10708)                         | 49260324    | Simple Science Limited           | OWN    | Volume 25 |
| 810.2300  | Methicillin Resistant <i>Staphylococcus aureus</i> (ATCC 33592) | 49260325    | Simple Science Limited           | OWN    | Volume 26 |
| 810.2300  | <i>Enterococcus faecalis</i> – VRE (ATCC 51575)                 | 49260326    | Simple Science Limited           | OWN    | Volume 27 |
| 810.2300  | <i>Escherichia coli</i> (ATCC 11229)                            | 49260327    | Simple Science Limited           | OWN    | Volume 28 |
|   | <b>Food Contact:</b>  |             |                                  |        |           |
| 810.2300  | <i>Staphylococcus aureus</i> (ATCC 6538)                        | 49260328    | Simple Science Limited           | OWN    | Volume 29 |
| 810.2300  | <i>Salmonella enterica</i> serovar Typhi (ATCC 6539)            | 49260329    | Simple Science Limited           | OWN    | Volume 30 |
| 810.2300  | <i>Escherichia coli</i> (ATCC 11229)                            | 49260330    | Simple Science Limited           | OWN    | Volume 31 |
| <b>§ 158.2230: Toxicology Data Requirements</b> |   |             |                                  |        |           |
| 870.1100  | Acute oral toxicity   | 46232405    | Occulus Innovative Sciences Inc. | PAY    |           |
| 870.1200  | Acute dermal toxicity   | 46232406    | Occulus Innovative Sciences Inc. | PAY    |           |
| 870.1300  | Acute inhalation toxicity                                       | 46232407    | Occulus Innovative Sciences Inc. | PAY    |           |
| 870.2400  | Primary eye irritation  | 46453701    | Occulus Innovative Sciences Inc. | PAY    |           |
| 870.2500  | Primary dermal irritation                                       | 46453702    | Occulus Innovative Sciences Inc. | PAY    |           |
| 870.2600  | Dermal sensitization  | 46232410    | Occulus Innovative Sciences Inc. | PAY    |           |

|                       |  |                              |
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| <b>Ingredients:</b> Hypochlorous acid (CAS# 7790-92-3)  |                             |   |                  |                    |              |
| <b>Guideline Reference Number</b>   | <b>Guideline Study Name</b> | <b>MRID Number</b>                            | <b>Submitter</b> | <b>Status</b>      | <b>Notes</b> |

|  |   |     |          |
|--|---|-----|----------|
|  | Simple Science Limited  | OWN | Volume 2 |
|  | Simple Science Limited  | OWN | Volume 2 |
|  | Simple Science Limited  | OWN | Volume 2 |
|  | Simple Science Limited  | OWN | Volume 2 |
|  | Simple Science Limited  | OWN | Volume 2 |
|  | Simple Science Limited  | OWN | Volume 3 |
|  | Simple Science Limited  | OWN | Volume 2 |
|  | Simple Science Limited  | OWN | Volume 2 |
|  | Simple Science Limited  | OWN | Volume 2 |
|  | Simple Science Limited  | OWN | Volume 2 |
|  | Simple Science Limited  | OWN | Volume 4 |
|  | Simple Science Limited  | OWN | Volume 4 |
|  | Simple Science Limited  | OWN | Volume 4 |
|  | Not expected to come into contact with metals and metal ions                          | N/A |          |
|  | Simple Science Limited  | OWN | Volume 4 |
|  | Simple Science Limited  | OWN | Volume 4 |
|  | Product is not potentially explosive  | N/A |          |
|  | Simple Science Limited  | OWN | Volume 5 |
|  | Product is not an emulsifiable liquid and is not to be diluted with petroleum solvent | N/A |          |

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| <b>Ingredients:</b> Hypochlorous acid (CAS# 7790-92-3)  |                             |   |                  |                    |              |
| <b>Guideline Reference Number</b>   | <b>Guideline Study Name</b> | <b>MRID Number</b>                            | <b>Submitter</b> | <b>Status</b>      | <b>Notes</b> |

|  |   |     |           |
|--|---|-----|-----------|
|  | Simple Science Limited                                | OWN | Volume 5  |
|  | Product is not to be used around electrical equipment | N/A |           |
|  | Simple Science Limited                                | OWN | Volume 4  |
|  | Simple Science Limited                                | OWN | Volume 4  |
|  | Simple Science Limited                                | OWN | Volume 4  |
|  | Product is not a fibrous test substance               | N/A |           |
|  | Simple Science Limited                                | OWN | Volume 6  |
|  | Simple Science Limited                                | OWN | Volume 7  |
|  | Simple Science Limited                                | OWN | Volume 8  |
|  | Simple Science Limited                                | OWN | Volume 9  |
|  | Simple Science Limited                                | OWN | Volume 10 |
|  | Simple Science Limited                                | OWN | Volume 11 |
|  | Simple Science Limited                                | OWN | Volume 12 |
|  | Simple Science Limited                                | OWN | Volume 13 |
|  | Simple Science Limited                                | OWN | Volume 14 |
|  | Simple Science Limited                                | OWN | Volume 15 |
|  | Simple Science Limited                                | OWN | Volume 16 |
|  | Simple Science Limited                                | OWN | Volume 17 |
|  | Simple Science Limited                                | OWN | Volume 18 |

|                       |  |                              |
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**Ingredients:** Hypochlorous acid (CAS# 7790-92-3)

| <b>Guideline Reference Number</b> | <b>Guideline Study Name</b> | <b>MRID Number</b> | <b>Submitter</b> | <b>Status</b> | <b>Notes</b> |
|-----------------------------------|-----------------------------|--------------------|------------------|---------------|--------------|
|-----------------------------------|-----------------------------|--------------------|------------------|---------------|--------------|

|  |                                  |     |           |
|--|----------------------------------|-----|-----------|
|  | Simple Science Limited           | OWN | Volume 19 |
|  | Simple Science Limited           | OWN | Volume 20 |
|  | Simple Science Limited           | OWN | Volume 21 |
|  |                                  |     |           |
|  | Simple Science Limited           | OWN | Volume 22 |
|  | Simple Science Limited           | OWN | Volume 23 |
|  | Simple Science Limited           | OWN | Volume 24 |
|  | Simple Science Limited           | OWN | Volume 25 |
|  | Simple Science Limited           | OWN | Volume 26 |
|  | Simple Science Limited           | OWN | Volume 27 |
|  | Simple Science Limited           | OWN | Volume 28 |
|  |                                  |     |           |
|  | Simple Science Limited           | OWN | Volume 29 |
|  | Simple Science Limited           | OWN | Volume 30 |
|  | Simple Science Limited           | OWN | Volume 31 |
|  |                                  |     |           |
|  | Occulus Innovative Sciences Inc. | PAY |           |
|  | Occulus Innovative Sciences Inc. | PAY |           |
|  | Occulus Innovative Sciences Inc. | PAY |           |
|  | Occulus Innovative Sciences Inc. | PAY |           |
|  | Occulus Innovative Sciences Inc. | PAY |           |
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530 N 3<sup>rd</sup> St, #310  
Minneapolis, MN 55401

Product Name:

CleanSmart

Ingredients: Hypochlorous acid (CAS# 7790-92-3)

| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Notes |
|----------------------------|----------------------|-------------|-----------|--------|-------|
|----------------------------|----------------------|-------------|-----------|--------|-------|

## § 158.2210: Product Chemistry Data Requirements

|          |  |          |                        |     |          |
|----------|--|----------|------------------------|-----|----------|
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| 830.1600 | Description of materials used to produce the product | 49260301 | Simple Science Limited | OWN | Volume 2 |
| 830.1620 | Description of production process                    | 49260301 | Simple Science Limited | OWN | Volume 2 |
| 830.1650 | Description of formulation process                   | 49260301 | Simple Science Limited | OWN | Volume 2 |
| 830.1670 | Discussion of formation of impurities                | 49260301 | Simple Science Limited | OWN | Volume 2 |
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| 830.1900 | Submittal of samples                                 | 49260301 | Simple Science Limited | OWN | Volume 2 |

## Physical and Chemical Properties

|          |   |          |   |     |          |
|----------|---|----------|---|-----|----------|
| 830.6302 | Color   | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6303 | Physical state  | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6304 | Odor  | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6313 | Stability (normal/elevated temperatures, metals and ions) |          | Not expected to come into contact with metals and metal ions                          | N/A |          |
| 830.6314 | Oxidation/reduction: chemical incompatibility             | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6315 | Flammability  | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6316 | Explosibility   |          | Product is not potentially explosive  | N/A |          |
| 830.6317 | Storage stability   | 49260304 | Simple Science Limited  | OWN | Volume 5 |
| 830.6319 | Miscibility   |          | Product is not an emulsifiable liquid and is not to be diluted with petroleum solvent | N/A |          |

Signature:

Name and Title: Seth DeGroot  
Project Manager

Date:  
Nov 26, 2013





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 530 N 3<sup>rd</sup> St, #310  
 Minneapolis, MN 55401

**Product Name:**  
 CleanSmart

**Ingredients:** Hypochlorous acid (CAS# 7790-92-3)

| Guideline Reference Number                               | Guideline Study Name  | MRID Number | Submitter   | Status | Notes     |
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| 830.7100   | Viscosity   | 49260303    | Simple Science Limited                                | OWN    | Volume 4  |
| 830.7300   | Density/relative density/bulk density                           | 49260303    | Simple Science Limited                                | OWN    | Volume 4  |
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| 810.2200   | <i>Listeria monocytogenes</i> (ATCC 19117)                      | 49260311    | Simple Science Limited                                | OWN    | Volume 12 |
| 810.2200   | Herpes Simplex Virus Type 1 (ATCC VR-733)                       | 49260312    | Simple Science Limited                                | OWN    | Volume 13 |
| 810.2200   | Herpes Simplex Virus Type 2 (ATCC VR-734)                       | 49260313    | Simple Science Limited                                | OWN    | Volume 14 |
| 810.2200   | Human Immunodeficiency Virus Type 1, Strain HTLV-IIIB           | 49260314    | Simple Science Limited                                | OWN    | Volume 15 |
| 810.2200   | Influenza A H1N1 (ATCC VR-1469)                                 | 49260315    | Simple Science Limited                                | OWN    | Volume 16 |
| 810.2200   | Rhinovirus Type 37 (ATCC VR-1147)                               | 49260316    | Simple Science Limited                                | OWN    | Volume 17 |
| 810.2200   | Human Coronavirus (ATCC VR-740)                                 | 49260317    | Simple Science Limited                                | OWN    | Volume 18 |
| 810.2200   | Respiratory Syncytial Virus (ATCC VR-26)                        | 49260318    | Simple Science Limited                                | OWN    | Volume 19 |

**Signature:**

*Seth DeGroot*

**Name and Title:** Seth DeGroot  
 Project Manager

**Date:**  
 Nov 26, 2013





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

1200 Pennsylvania Avenue, N.W.

Washington, DC 20460

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## Data Matrix

Date: Draft November 26, 2013

EPA Reg. No./File Symbol: 89896-R

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Applicant's/Registrant's Name and Address: Simple Science Limited  
530 N 3<sup>rd</sup> St, #310  
Minneapolis, MN 55401

Product Name:

CleanSmart

Ingredients: Hypochlorous acid (CAS# 7790-92-3)

| Guideline Reference Number                      | Guideline Study Name  | MRID Number | Submitter                        | Status | Notes     |
|---|---|-------------|----------------------------------|--------|-----------|
| 810.2200  | <i>Trichophyton mentagrophytes</i> (ATCC 9533)                  | 49260319    | Simple Science Limited           | OWN    | Volume 20 |
| 810.2200  | <i>Escherichia coli</i> (ATCC 11229)                            | 49260320    | Simple Science Limited           | OWN    | Volume 21 |
|   | <b>Non-food Contact:</b>  |             |                                  |        |           |
| 810.2300  | <i>Staphylococcus aureus</i> (ATCC 6538)                        | 49260321    | Simple Science Limited           | OWN    | Volume 22 |
| 810.2300  | <i>Enterobacter aerogenes</i> (ATCC 13048)                      | 49260322    | Simple Science Limited           | OWN    | Volume 23 |
| 810.2300  | <i>Streptococcus pneumoniae</i> (ATCC 6305)                     | 49260323    | Simple Science Limited           | OWN    | Volume 24 |
| 810.2300  | <i>Salmonella enterica</i> (ATCC 10708)                         | 49260324    | Simple Science Limited           | OWN    | Volume 25 |
| 810.2300  | Methicillin Resistant <i>Staphylococcus aureus</i> (ATCC 33592) | 49260325    | Simple Science Limited           | OWN    | Volume 26 |
| 810.2300  | <i>Enterococcus faecalis</i> - VRE (ATCC 51575)                 | 49260326    | Simple Science Limited           | OWN    | Volume 27 |
| 810.2300  | <i>Escherichia coli</i> (ATCC 11229)                            | 49260327    | Simple Science Limited           | OWN    | Volume 28 |
|   | <b>Food Contact:</b>  |             |                                  |        |           |
| 810.2300  | <i>Staphylococcus aureus</i> (ATCC 6538)                        | 49260328    | Simple Science Limited           | OWN    | Volume 29 |
| 810.2300  | <i>Salmonella enterica</i> serovar Typhi (ATCC 6539)            | 49260329    | Simple Science Limited           | OWN    | Volume 30 |
| 810.2300  | <i>Escherichia coli</i> (ATCC 11229)                            | 49260330    | Simple Science Limited           | OWN    | Volume 31 |
| <b>§ 158.2230: Toxicology Data Requirements</b> |   |             |                                  |        |           |
| 870.1100  | Acute oral toxicity   | 46232405    | Occulus Innovative Sciences Inc. | PAY    |           |
| 870.1200  | Acute dermal toxicity   | 46232406    | Occulus Innovative Sciences Inc. | PAY    |           |
| 870.1300  | Acute inhalation toxicity                                       | 46232407    | Occulus Innovative Sciences Inc. | PAY    |           |
| 870.2400  | Primary eye irritation  | 46453701    | Occulus Innovative Sciences Inc. | PAY    |           |
| 870.2500  | Primary dermal irritation                                       | 46453702    | Occulus Innovative Sciences Inc. | PAY    |           |
| 870.2600  | Dermal sensitization  | 46232410    | Occulus Innovative Sciences Inc. | PAY    |           |

Signature:

Name and Title: Seth DeGroot  
Project Manager

Date:  
Nov 26, 2013





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| <b>Date:</b> Draft November 26, 2013  |                             | <b>EPA Reg. No./File Symbol:</b> 89896-R |  | <b>Page</b> 1 of 3 |              |
| <b>Applicant's/Registrant's Name and Address:</b> Simple Science Limited<br>530 N 3 <sup>rd</sup> St, #310<br>Minneapolis, MN 55401 |                             |  | <b>Product Name:</b><br><br>CleanSmart |                    |              |
| <b>Ingredients:</b> Hypochlorous acid (CAS# 7790-92-3)  |                             |  |  |                    |              |
| <b>Guideline Reference Number</b>   | <b>Guideline Study Name</b> | <b>MRID Number</b>                       | <b>Submitter</b>                       | <b>Status</b>      | <b>Notes</b> |

|                        |     |          |
|------------------------|-----|----------|
| Simple Science Limited | OWN | Volume 2 |
| Simple Science Limited | OWN | Volume 2 |
| Simple Science Limited | OWN | Volume 2 |
| Simple Science Limited | OWN | Volume 2 |
| Simple Science Limited | OWN | Volume 2 |
| Simple Science Limited | OWN | Volume 3 |
| Simple Science Limited | OWN | Volume 2 |
| Simple Science Limited | OWN | Volume 2 |
| Simple Science Limited | OWN | Volume 2 |

|   |     |          |
|---|-----|----------|
| Simple Science Limited  | OWN | Volume 4 |
| Simple Science Limited  | OWN | Volume 4 |
| Simple Science Limited  | OWN | Volume 4 |
| Not expected to come into contact with metals and metal ions                          | N/A |          |
| Simple Science Limited  | OWN | Volume 4 |
| Simple Science Limited  | OWN | Volume 4 |
| Product is not potentially explosive  | N/A |          |
| Simple Science Limited  | OWN | Volume 5 |
| Product is not an emulsifiable liquid and is not to be diluted with petroleum solvent | N/A |          |

|  |  |                              |
|--|--|------------------------------|
| <b>Signature:</b><br><i>Seth DeGroot</i> | <b>Name and Title:</b> Seth DeGroot<br>Project Manager | <b>Date:</b><br>Nov 26, 2013 |
|--|--|------------------------------|





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| <b>Date:</b> Draft November 26, 2013  |                             | <b>EPA Reg. No./File Symbol:</b> 89896-R |                  | <b>Page 2 of 3</b> |              |
| <b>Applicant's/Registrant's Name and Address:</b> Simple Science Limited<br>530 N 3 <sup>rd</sup> St, #310<br>Minneapolis, MN 55401 |                             | <b>Product Name:</b><br><br>CleanSmart   |                  |                    |              |
| <b>Ingredients:</b> Hypochlorous acid (CAS# 7790-92-3)  |                             |  |                  |                    |              |
| <b>Guideline Reference Number</b>   | <b>Guideline Study Name</b> | <b>MRID Number</b>                       | <b>Submitter</b> | <b>Status</b>      | <b>Notes</b> |

|  |  |  |  |  |   |     |           |
|--|--|--|--|--|---|-----|-----------|
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 5  |
|  |  |  |  |  | Product is not to be used around electrical equipment | N/A |           |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 4  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 4  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 4  |
|  |  |  |  |  | Product is not a fibrous test substance               | N/A |           |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 6  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 7  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 8  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 9  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 10 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 11 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 12 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 13 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 14 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 15 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 16 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 17 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 18 |

|                       |  |                              |
|-----------------------|--|------------------------------|
| <b>Signature:</b><br> | <b>Name and Title:</b> Seth DeGroot<br>Project Manager | <b>Date:</b><br>Nov 26, 2013 |
|-----------------------|--|------------------------------|



Washington, DC 20460

### Data Matrix

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## CleanSmart

**Ingredients:** Hypochlorous acid (CAS# 7790-92-3)

[illegible]

Seth DeGroot

Date:  
Nov 26, 2013





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
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**Washington, DC 20460**

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| <b>Date:</b> Draft November 26, 2013  |                             | <b>EPA Reg. No./File Symbol:</b> 89896-R  | <b>Page 1 of 3</b> |
| <b>Applicant's/Registrant's Name and Address:</b> Simple Science Limited<br>530 N 3 <sup>rd</sup> St, #310<br>Minneapolis, MN 55401 |                             | <b>Product Name:</b><br><b>CleanSmart</b> |                    |
| <b>Ingredients:</b> Hypochlorous acid (CAS# 7790-92-3)  |                             |   |                    |
| <b>Guideline Reference Number</b>   | <b>Guideline Study Name</b> | <b>MRID Number</b>                        | <b>Submitter</b>   |
|   |                             |   | <b>Status</b>      |
|   |                             |   | <b>Notes</b>       |

**§ 158.2210: Product Chemistry Data Requirements**

|   |   |          |   |     |          |
|---|---|----------|---|-----|----------|
| 830.1550                                | Product identity and composition                          | 49260301 | Simple Science Limited  | OWN | Volume 2 |
| 830.1600                                | Description of materials used to produce the product      | 49260301 | Simple Science Limited  | OWN | Volume 2 |
| 830.1620                                | Description of production process                         | 49260301 | Simple Science Limited  | OWN | Volume 2 |
| 830.1650                                | Description of formulation process                        | 49260301 | Simple Science Limited  | OWN | Volume 2 |
| 830.1670                                | Discussion of formation of impurities                     | 49260301 | Simple Science Limited  | OWN | Volume 2 |
| 830.1700                                | Preliminary analysis                                      | 49260302 | Simple Science Limited  | OWN | Volume 3 |
| 830.1750                                | Certified limits  | 49260301 | Simple Science Limited  | OWN | Volume 2 |
| 830.1800                                | Enforcement analytical method                             | 49260301 | Simple Science Limited  | OWN | Volume 2 |
| 830.1900                                | Submittal of samples                                      | 49260301 | Simple Science Limited  | OWN | Volume 2 |
| <b>Physical and Chemical Properties</b> |   |          |   |     |          |
| 830.6302                                | Color   | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6303                                | Physical state  | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6304                                | Odor  | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6313                                | Stability (normal/elevated temperatures, metals and ions) |          | Not expected to come into contact with metals and metal ions                          | N/A |          |
| 830.6314                                | Oxidation/reduction: chemical incompatibility             | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6315                                | Flammability  | 49260303 | Simple Science Limited  | OWN | Volume 4 |
| 830.6316                                | Explosibility   |          | Product is not potentially explosive  | N/A |          |
| 830.6317                                | Storage stability   | 49260304 | Simple Science Limited  | OWN | Volume 5 |
| 830.6319                                | Miscibility   |          | Product is not an emulsifiable liquid and is not to be diluted with petroleum solvent | N/A |          |

|  |  |                              |
|--|--|------------------------------|
| <b>Signature:</b><br><i>Seth DeGroot</i> | <b>Name and Title:</b> Seth DeGroot<br>Project Manager | <b>Date:</b><br>Nov 26, 2013 |
|--|--|------------------------------|





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| <b>Date:</b> Draft November 26, 2013  | <b>EPA Reg. No./File Symbol:</b> 89896-R | <b>Page 2 of 3</b> |
| <b>Applicant's/Registrant's Name and Address:</b> Simple Science Limited<br>530 N 3 <sup>rd</sup> St, #310<br>Minneapolis, MN 55401 | <b>Product Name:</b><br><br>CleanSmart   |                    |

**Ingredients:** Hypochlorous acid (CAS# 7790-92-3)

| Guideline Reference Number                               | Guideline Study Name  | MRID Number | Submitter   | Status | Notes     |
|--|---|-------------|---|--------|-----------|
| 830.6320   | Corrosion characteristics                                       | 49260304    | Simple Science Limited                                | OWN    | Volume 5  |
| 830.6321   | Dielectric breakdown voltage                                    |             | Product is not to be used around electrical equipment | N/A    |           |
| 830.7000   | pH  | 49260303    | Simple Science Limited                                | OWN    | Volume 4  |
| 830.7100   | Viscosity   | 49260303    | Simple Science Limited                                | OWN    | Volume 4  |
| 830.7300   | Density/relative density/bulk density                           | 49260303    | Simple Science Limited                                | OWN    | Volume 4  |
| 830.7520   | Particle size, fiber length, and diameter distribution          |             | Product is not a fibrous test substance               | N/A    |           |
| <b>§ 158.2220: Product Performance Data Requirements</b> |   |             |   |        |           |
| 810.2200   | <i>Staphylococcus aureus</i> (ATCC 6538)                        | 49260305    | Simple Science Limited                                | OWN    | Volume 6  |
| 810.2200   | <i>Salmonella enterica</i> (ATCC 10708)                         | 49260306    | Simple Science Limited                                | OWN    | Volume 7  |
| 810.2200   | <i>Pseudomonas aeruginosa</i> (ATCC 15442)                      | 49260307    | Simple Science Limited                                | OWN    | Volume 8  |
| 810.2200   | <i>Streptococcus pyogenes</i> (ATCC 19615)                      | 49260308    | Simple Science Limited                                | OWN    | Volume 9  |
| 810.2200   | <i>Enterococcus faecalis</i> – VRE (ATCC 51575)                 | 49260309    | Simple Science Limited                                | OWN    | Volume 10 |
| 810.2200   | Methicillin Resistant <i>Staphylococcus aureus</i> (ATCC 33592) | 49260310    | Simple Science Limited                                | OWN    | Volume 11 |
| 810.2200   | <i>Listeria monocytogenes</i> (ATCC 19117)                      | 49260311    | Simple Science Limited                                | OWN    | Volume 12 |
| 810.2200   | Herpes Simplex Virus Type 1 (ATCC VR-733)                       | 49260312    | Simple Science Limited                                | OWN    | Volume 13 |
| 810.2200   | Herpes Simplex Virus Type 2 (ATCC VR-734)                       | 49260313    | Simple Science Limited                                | OWN    | Volume 14 |
| 810.2200   | Human Immunodeficiency Virus Type 1, Strain HTLV-IIIB           | 49260314    | Simple Science Limited                                | OWN    | Volume 15 |
| 810.2200   | Influenza A H1N1 (ATCC VR-1469)                                 | 49260315    | Simple Science Limited                                | OWN    | Volume 16 |
| 810.2200   | Rhinovirus Type 37 (ATCC VR-1147)                               | 49260316    | Simple Science Limited                                | OWN    | Volume 17 |
| 810.2200   | Human Coronavirus (ATCC VR-740)                                 | 49260317    | Simple Science Limited                                | OWN    | Volume 18 |
| 810.2200   | Respiratory Syncytial Virus (ATCC VR-26)                        | 49260318    | Simple Science Limited                                | OWN    | Volume 19 |

|                       |  |                              |
|-----------------------|--|------------------------------|
| <b>Signature:</b><br> | <b>Name and Title:</b> Seth DeGroot<br>Project Manager | <b>Date:</b><br>Nov 26, 2013 |
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| <b>Applicant's/Registrant's Name and Address:</b> Simple Science Limited<br>530 N 3 <sup>rd</sup> St, #310<br>Minneapolis, MN 55401 |  | <b>Product Name:</b><br><br>CleanSmart |
| <b>Ingredients:</b> Hypochlorous acid (CAS# 7790-92-3)  |  |  |
| <b>Guideline Reference Number</b>   | <b>Guideline Study Name</b>              | <b>MRID Number</b>                     |
|   |  | <b>Submitter</b>                       |
|   |  | <b>Status</b>                          |
|   |  | <b>Notes</b>                           |

|   |   |          |                                  |     |           |
|---|---|----------|----------------------------------|-----|-----------|
| 810.2200  | <i>Trichophyton mentagrophytes</i> (ATCC 9533)                  | 49260319 | Simple Science Limited           | OWN | Volume 20 |
| 810.2200  | <i>Escherichia coli</i> (ATCC 11229)                            | 49260320 | Simple Science Limited           | OWN | Volume 21 |
|   | <b>Non-food Contact:</b>  |          |                                  |     |           |
| 810.2300  | <i>Staphylococcus aureus</i> (ATCC 6538)                        | 49260321 | Simple Science Limited           | OWN | Volume 22 |
| 810.2300  | <i>Enterobacter aerogenes</i> (ATCC 13048)                      | 49260322 | Simple Science Limited           | OWN | Volume 23 |
| 810.2300  | <i>Streptococcus pneumoniae</i> (ATCC 6305)                     | 49260323 | Simple Science Limited           | OWN | Volume 24 |
| 810.2300  | <i>Salmonella enterica</i> (ATCC 10708)                         | 49260324 | Simple Science Limited           | OWN | Volume 25 |
| 810.2300  | Methicillin Resistant <i>Staphylococcus aureus</i> (ATCC 33592) | 49260325 | Simple Science Limited           | OWN | Volume 26 |
| 810.2300  | <i>Enterococcus faecalis</i> - VRE (ATCC 51575)                 | 49260326 | Simple Science Limited           | OWN | Volume 27 |
| 810.2300  | <i>Escherichia coli</i> (ATCC 11229)                            | 49260327 | Simple Science Limited           | OWN | Volume 28 |
|   | <b>Food Contact:</b>  |          |                                  |     |           |
| 810.2300  | <i>Staphylococcus aureus</i> (ATCC 6538)                        | 49260328 | Simple Science Limited           | OWN | Volume 29 |
| 810.2300  | <i>Salmonella enterica</i> serovar Typhi (ATCC 6539)            | 49260329 | Simple Science Limited           | OWN | Volume 30 |
| 810.2300  | <i>Escherichia coli</i> (ATCC 11229)                            | 49260330 | Simple Science Limited           | OWN | Volume 31 |
| <b>§ 158.2230: Toxicology Data Requirements</b> |   |          |                                  |     |           |
| 870.1100  | Acute oral toxicity   | 46232405 | Occulus Innovative Sciences Inc. | PAY |           |
| 870.1200  | Acute dermal toxicity   | 46232406 | Occulus Innovative Sciences Inc. | PAY |           |
| 870.1300  | Acute inhalation toxicity                                       | 46232407 | Occulus Innovative Sciences Inc. | PAY |           |
| 870.2400  | Primary eye irritation  | 46453701 | Occulus Innovative Sciences Inc. | PAY |           |
| 870.2500  | Primary dermal irritation                                       | 46453702 | Occulus Innovative Sciences Inc. | PAY |           |
| 870.2600  | Dermal sensitization  | 46232410 | Occulus Innovative Sciences Inc. | PAY |           |

|                       |  |                              |
|-----------------------|--|------------------------------|
| <b>Signature:</b><br> | <b>Name and Title:</b> Seth DeGroot<br>Project Manager | <b>Date:</b><br>Nov 26, 2013 |
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| <b>Applicant's/Registrant's Name and Address:</b> Simple Science Limited<br>530 N 3 <sup>rd</sup> St, #310<br>Minneapolis, MN 55401 | <b>Product Name:</b><br><br>CleanSmart   |                    |

**Ingredients:** Hypochlorous acid (CAS# 7790-92-3)

| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Notes |
|----------------------------|----------------------|-------------|-----------|--------|-------|
|----------------------------|----------------------|-------------|-----------|--------|-------|

|  |  |  |   |     |          |
|--|--|--|---|-----|----------|
|  |  |  | Simple Science Limited  | OWN | Volume 2 |
|  |  |  | Simple Science Limited  | OWN | Volume 2 |
|  |  |  | Simple Science Limited  | OWN | Volume 2 |
|  |  |  | Simple Science Limited  | OWN | Volume 2 |
|  |  |  | Simple Science Limited  | OWN | Volume 2 |
|  |  |  | Simple Science Limited  | OWN | Volume 3 |
|  |  |  | Simple Science Limited  | OWN | Volume 2 |
|  |  |  | Simple Science Limited  | OWN | Volume 2 |
|  |  |  | Simple Science Limited  | OWN | Volume 2 |
|  |  |  | Simple Science Limited  | OWN | Volume 2 |
|  |  |  | Simple Science Limited  | OWN | Volume 4 |
|  |  |  | Simple Science Limited  | OWN | Volume 4 |
|  |  |  | Simple Science Limited  | OWN | Volume 4 |
|  |  |  | Not expected to come into contact with metals and metal ions                          | N/A |          |
|  |  |  | Simple Science Limited  | OWN | Volume 4 |
|  |  |  | Simple Science Limited  | OWN | Volume 4 |
|  |  |  | Product is not potentially explosive  | N/A |          |
|  |  |  | Simple Science Limited  | OWN | Volume 5 |
|  |  |  | Product is not an emulsifiable liquid and is not to be diluted with petroleum solvent | N/A |          |
|  |  |  |   |     |          |

|  |  |                              |
|--|--|------------------------------|
| <b>Signature:</b><br><i>Seth DeGroot</i> | <b>Name and Title:</b> Seth DeGroot<br>Project Manager | <b>Date:</b><br>Nov 26, 2013 |
|--|--|------------------------------|





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**1200 Pennsylvania Avenue, N.W.**  
**Washington, DC 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, N.W., Washington, DC 20460. Do not send the form to this address.

**Data Matrix**

|   |  |                    |
|---|--|--------------------|
| <b>Date:</b> Draft November 26, 2013  | <b>EPA Reg. No./File Symbol:</b> 89896-R | <b>Page 2 of 3</b> |
| <b>Applicant's/Registrant's Name and Address:</b> Simple Science Limited<br>530 N 3 <sup>rd</sup> St, #310<br>Minneapolis, MN 55401 | <b>Product Name:</b><br><br>CleanSmart   |                    |

**Ingredients:** Hypochlorous acid (CAS# 7790-92-3)

| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Notes |
|----------------------------|----------------------|-------------|-----------|--------|-------|
|----------------------------|----------------------|-------------|-----------|--------|-------|

|  |  |  |  |  |   |     |           |
|--|--|--|--|--|---|-----|-----------|
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 5  |
|  |  |  |  |  | Product is not to be used around electrical equipment | N/A |           |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 4  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 4  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 4  |
|  |  |  |  |  | Product is not a fibrous test substance               | N/A |           |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 6  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 7  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 8  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 9  |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 10 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 11 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 12 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 13 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 14 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 15 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 16 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 17 |
|  |  |  |  |  | Simple Science Limited                                | OWN | Volume 18 |

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| <b>Signature:</b><br> | <b>Name and Title:</b> Seth DeGroot<br>Project Manager | <b>Date:</b><br>Nov 26, 2013 |
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## Data Matrix

| Date: Draft November 26, 2013  |                      | EPA Reg. No./File Symbol: 89896-R  |           | Page 3 of 3 |       |
|--|----------------------|------------------------------------|-----------|-------------|-------|
| Applicant's/Registrant's Name and Address: Simple Science Limited<br>530 N 3 <sup>rd</sup> St, #310<br>Minneapolis, MN 55401 |                      | Product Name:<br><b>CleanSmart</b> |           |             |       |
| Ingredients: Hypochlorous acid (CAS# 7790-92-3)  |                      |                                    |           |             |       |
| Guideline Reference Number   | Guideline Study Name | MRID Number                        | Submitter | Status      | Notes |

|                        |     |           |
|------------------------|-----|-----------|
| Simple Science Limited | OWN | Volume 19 |
| Simple Science Limited | OWN | Volume 20 |
| Simple Science Limited | OWN | Volume 21 |
| Simple Science Limited | OWN | Volume 22 |
| Simple Science Limited | OWN | Volume 23 |
| Simple Science Limited | OWN | Volume 24 |
| Simple Science Limited | OWN | Volume 25 |
| Simple Science Limited | OWN | Volume 26 |
| Simple Science Limited | OWN | Volume 27 |
| Simple Science Limited | OWN | Volume 28 |
| Simple Science Limited | OWN | Volume 29 |
| Simple Science Limited | OWN | Volume 30 |
| Simple Science Limited | OWN | Volume 31 |

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| Occulus Innovative Sciences Inc. | PAY |
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| Occulus Innovative Sciences Inc. | PAY |
| Occulus Innovative Sciences Inc. | PAY |
| Occulus Innovative Sciences Inc. | PAY |
| Occulus Innovative Sciences Inc. | PAY |

Signature:

Name and Title: Seth DeGroot  
Project ManagerDate:  
Nov 26, 2013